



# National Weather Service

## Storm Data and Unusual Weather Phenomena



October 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	

### WISCONSIN, Southeast

#### **WIZ046>047-056>057-062 Marquette - Green Lake - Sauk - Columbia - Iowa**

01	2300CST		0	0		Fog
02	0630CST					

Dense fog developed overnight across parts of south-central Wisconsin, lowering visibilities to 1/8 to 1/4 mile. Some schools opened 2 hours late and local airplane traffic was delayed.

#### **WIZ064>065-069>072 Jefferson - Waukesha - Rock - Walworth - Racine - Kenosha**

22	0200CST		0	0		Fog
	0800CST					

Dense fog developed overnight across parts of south-central and southeast Wisconsin, lowering visibilities to 1/8 to 1/4 mile. Some schools opened 2 hours late and local airplane traffic was delayed.

#### **WIZ058>059 Dodge - Washington**

22	0330CST		0	0		Fog
	0900CST					

Dense fog developed overnight across parts of south-central Wisconsin, lowering visibilities to 1/8 to 1/4 mile. Some schools opened 2 hours late and local airplane traffic was delayed.

#### **Green County**

Juda	23	2110CST		0	0	Hail(0.75)
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#### **Green County**

Browntown	23	2119CST		0	0	Hail(1.75)
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#### **Green County**

Brodhead	23	2125CST		0	0	Hail(1.75)
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#### **Green County**

4 S Monroe to Monroe	23	2135CST		0	0	Hail(1.00)
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#### **Rock County**

Orfordville	23	2136CST		0	0	Hail(0.88)
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#### **Rock County**

2 E Afton to Janesville	23	2157CST		0	0	Hail(1.75)
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#### **Walworth County**

5 NNE Darien to 4 SSW Whitewater	23	2205CST		0	0	Hail(1.75)
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#### **Rock County**

Avalon	23	2206CST		0	0	Hail(1.75)
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#### **Rock County**

2 WSW Shopiere	23	2209CST		0	0	Funnel Cloud
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#### **Walworth County**

2.5 NNE Lyons	23	2300CST		0	0	Hail(1.00)
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#### **Racine County**

Burlington	23	2315CST		0	0	Hail(0.75)
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#### **Kenosha County**

1.8 ENE Paris	23	2329CST		0	0	Hail(0.75)
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#### **Racine County**

Racine	23	2345CST		0	0	100K Hail(2.75)
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#### **Racine County**

Racine	24	0100CST 0700CST		0	0	50K Urban/Sml Stream Fld
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Rare, out-of-season severe thunderstorms, with up to golf-ball to baseball-size hail, pelted parts of southern Wisconsin during the overnight hours of October 23, 2001. The storms cut a swath from southern Green County to the Janesville/Beloit area in Rock County, to the area east of Elkhorn (Walworth Co.), to the southern part of the city of Racine (Racine Co.). The largest hailstones, and consequently the greatest amount of damage, occurred in the southern part of city of Racine. In Racine, many vehicles were



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### WISCONSIN, Southeast

dented, several skylight windows were smashed, the roofs of several residential homes were damaged, and one sunroom was demolished by the large hailstones. Eyewitness reports indicated that the hailstorm duration was about 15 to 20 minutes as a series of thunderstorm cells trained west to east across the same part of the city. Consequently, rainfalls of about 1.50 inches occurred, based on WSR-88D Doppler radar estimates. Newspapers reported that 2.80 inches of rain fell in the city of Janesville, but there were no reports of flooding. Rain-water accumulated into a 3 to 4 foot deep river on Kearney Ave. in the city of Racine, which stalled a couple cars and then spilled over into several basements. Two people had to climb onto the roof of their vehicle. The rain-water accumulation was due to hail-stripped leaves clogging storm sewers. This same rain-water river washed hail into mounds 1 to 2 feet deep on Kearney Ave, forcing local residents to shovel and snow-blow the hail to the side. A couple city roads had to be plowed! A two-apartment home in the city of Racine was severely damaged when its basement wall collapsed due to urban flooding triggered by the heavy rains and leave-clogged storm sewers. Six people were evacuated from the building. The monetary damage amount assigned to the hailstorm in Racine is an estimate based on newspaper accounts. Synoptically, the hailstones were the result of elevated convection north of warm front that was over northern Illinois. The warm front extended back to a low pressure over central Minnesota. South of the warm front, surface dewpoints were in the lower 60s. WSR-88D Doppler imagery indicated that several of the thundestorms had mesocyclones extending from about 7000 to 20,000 feet AGL, but there was only one funnel cloud report.

**WIZ046>047-051>052-062>065-067>068-070>071** **Marquette - Green Lake - Fond Du Lac - Sheboygan - Iowa - Dane - Jefferson - Waukesha - Lafayette - Green - Walworth - Racine**

24	2200CST	0	0	Strong Wind
25	2130CST			

Widespread, strong, west to southwest, post-cold-frontal winds gusting to 35 to 49 knots (40 to 57 mph) raked south-central and southeast Wisconsin for almost 24 hours on October 24-25, 2001. Most locations had gusts of 43 to 48 knots (50 to 55 mph). There were numerous reports of small tree branches breaking off and hitting power lines, resulting in scattered power outages. Additionally, there were reports of wind damage to traffic lights in Madison (Dane Co.) and several other cities. Monetary damage amounts were not available. In Madison (Dane Co.) an old maple tree broke in two and fell onto an automobile. About 5000 customers, mostly in Waukesha, Milwaukee, Walworth, Racine, and Kenosha counties, were without electrical power at one time or another. The persistent strong winds generated sizable waves on the larger inland lakes. On the Lake Geneva (Walworth Co.), wave action damaged a boat docking station belonging to a youth camp. Synoptically, the strong winds were the result of deep low pressure which moved through northwest Wisconsin to over Lake Superior.

**WIZ066-069-072** **Milwaukee - Rock - Kenosha**

25	0000CST 1800CST	0	0	High Wind (G56) <sup>M</sup>
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High winds gusting to 52 to 56 knots (60 to 65 mph) raked small parts of Milwaukee, Rock, and Kenosha counties, resulting in several damage reports. These high winds were associated with widespread, strong, west to southwest, post-cold-frontal winds gusting to 35 to 49 knots (40 to 57 mph) that affected the remainder of south-central and southeast Wisconsin for almost 24 hours on October 24-25, 2001. In Oak Creek (Milwaukee Co.) the high winds jarred an elevated restaurant sign loose, causing an exit ramp for Interstate-94 to be closed for several hours until repairs could be made. A gust of 56 knots (65 mph) was recorded at a school (belonging to a TV-station weather network) in Milton (Rock Co.). A TV-station observer in Salem (Kenosha Co.) reported a gust of 52 knots (60 mph). There were numerous reports of small tree branches breaking off and hitting power lines, resulting in scattered power outages. Additionally, there were reports of wind damage to traffic lights in several cities. Monetary damage amounts were not available. About 5000 customers, mostly in Waukesha, Milwaukee, Walworth, Racine, and Kenosha counties, were without electrical power at one time or another. Synoptically, the strong winds were the result of deep low pressure which moved through northwest Wisconsin to over Lake Superior.